

Figure 1

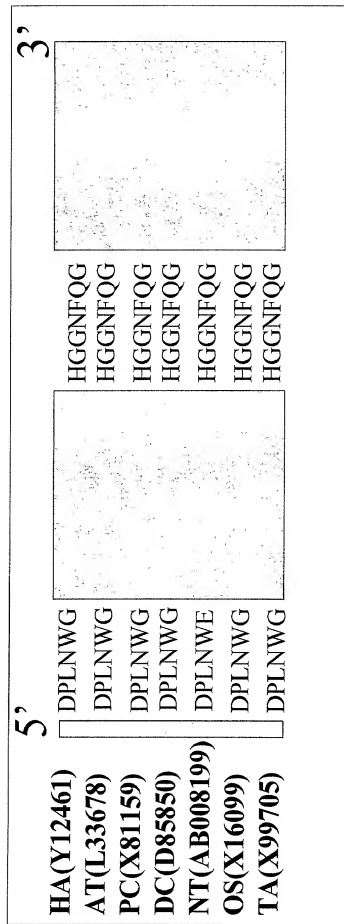


Figure 2

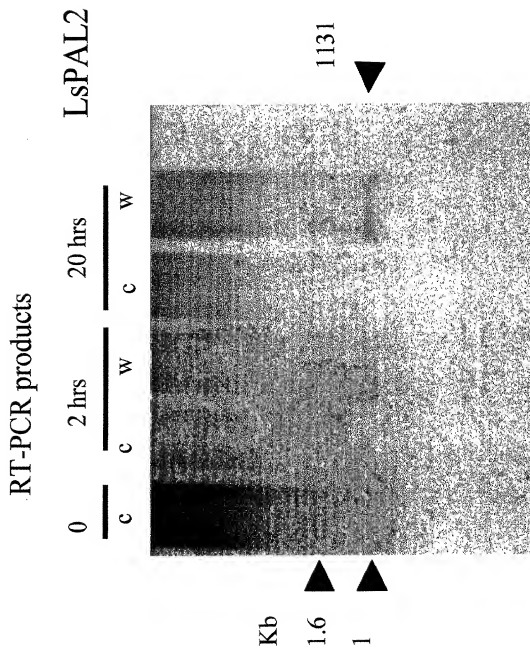


Figure 3

Domains

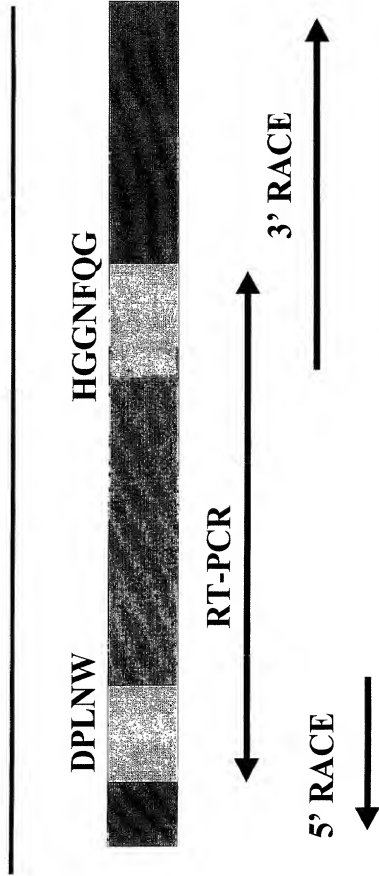


Figure 4

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PAL1

1 GAGCAATCTG ATCAATACCC ATTCACGCAC AAAGAGTGTG AGTCTAGTGT GTGAAGAAGT
 61 ACACAATTAG ATTGTTCTTG TTCTTTTGAT CTATAGTCTA CAATCTGTAT AAATAATAAT
 121 GGAGAACGGT AATCACGTTA ATGGAGTCGT TAATGAGTTG TCGATCAAGG ATCCATTGAA
 181 CTGGGGAGTT GCAGCGGAGG CGTTGACCGG AAGTCACTT GATGAGTTGA AGAAGATGGT
 241 TCGGGAGTTT AGAAAGCCGG TGGTGAAGCT CGGAGGAGAG ACGCTTACAG TTTCTCAGGT
 301 GCGGGGATC GCAGCTGCTA ATGACAGTGA CACCGTGAAG GTGGAGCTGT CGGAAGCCGC
 361 GAGGGCTGGA TTAAAGCGGA GTAGTGATTG GGTATTGGAG AGCATGAAAT AAGGAACTGA
 421 TAGTTATGTT GTCAACACCG GCTTCGGCGC CACCTCTCAC CGGAGAAGTGA AGCAAGCGCG
 481 TGCTTTACAG AAGGAGCTCA TTAGATTTTT GAACGCCGA ATATTCCGCA ATGGAACGGA
 541 AACAGGCCAC ACATCTCCAC ATTCAGCCAC CAGAGCCGCC ATGATCGTCA GAATCAACAC
 601 CCTCTCCAG GGTACTCCG GCATCCGATT CGAGATCTTG GAAGCCATCA CCAAGTTCTT
 661 TAACAACAAC ATCAACCCCT GTTTACCCCT CCGTGAAC ACCACCGCTT CCGGTGACCT
 721 TGTCACATTA TCATACATCG CCGGCCCTT AACCGCCCGC CCAACTCCA AAGCCGTTGG
 781 CCCCACCGGA GAAGTCTCTA ATGCCGAAAA GGCCTTCGCT GCAGCCGGAG TTGAAGTTGG
 841 GTTCTTCGAG TTACAGCCGA AAGAAGGGCT AGCACTTGTT AACGGCACCG CCGTGGGGTC
 901 CGGGATGGCT TCCATGGTTC TATTTGATGC TAATGTACTT GCGTTGTTGT CGGAAGTTT
 961 ATCGGCGATC TTCGCTGAGG TTATGCAAGG GAAGCCGGAG TTAACCGATC ACTTGACACA
 1021 CAAATTGAAG CATCACCCCT GTCAAATCGA GGCGGCGGCG ATCATGGAGT ATATTTTGGA
 1081 CGGAAGCGAT TACGTCAAGG CGGCGCAAAA GGTCCACGAA ATGGACCCGT TACAGAAACC
 1141 AAAACAAGAT CGTTATGCTC TCCGTACATC TCCCAATGG CTCGGACCTC AAATCGAAGT
 1201 AATCCGATCA TCAACCAAAA TGATCGAGAG GGAATCAAT TCCGTCAACG ACAACCCATT
 1261 GATCGACGTT TCCAGAAACA AAGCTTTACA CGGTGGTAAC TTCCAAGGAA CCCCATCGG
 1321 AGTTTCCATG GACAACACCC GTCTCGCAT TGCTGCAATC GGAATACTCA TGTTCGCTCA
 1381 ATTTTCTGAG TCGTTAAACG ATTTCTACAA CAATGGATTA CCATCGAATC TCTCGGTGG
 1441 ACGTAACCTT AGTTTGGACT ACGGGTTCAA AGGTGGAGAA ATCGGCATGG CTCTTACTG
 1501 TTTCTGAGCTT CAGTTTCTCG CAAATCCAGT CACCAACCAT GTTCAAAGCG CGGAACAACA
 1561 CAATCAAGAC GTTAATTCTC TCGGATTAAT TTCAGCGAGG AAAACCCGAC AAGCAGTCGA
 1621 CATCTTAAAA CTCATGTCGT CGACATACIT AGTCGCTCTA TGCCAATCCA TCGATTACG
 1681 CCATTGGAA GAGAACATGA AATCGACAGT GAAGAACACC GTAAGCCAAG TCGCGAAAAA
 1741 GGTCTCTACC ATGGGCGTCA ACGGCGAGCT CCACCCGTCG AGATTCTGCG AGAAGATCT
 1801 CTTCCGTGTT GTTGATCGTG AATACGTCTT CGCTTACATC GACGACGTT GCAGCGGCAC
 1861 ATACCCATTA ATGCAGAAAG TCCGACAGGT TCTGGTCGAC CACGCTCTAA ACAACGGCGA
 1921 AACGGAGAAG AACACTAACA CTTCCATCTT CCAAAGATC GCTACCTTCG AAGAAGAATT
 1981 GAAAGTCTGT TTACCGAAAG AAGTTGAAGG TGTTAGAATC GCTTATGAG ATGATACATT
 2041 GAGGCTTCCA AACAGGATTA AAGCTTGACG ATCGATCCCG TTGTATAGGT TTGTAAGGGA
 2101 GGAGCTCGCG AGAGGGTTTT TGACCGGAGA AAAGGTGACG TCGCCGGGAG AGGAGTTTGA
 2161 CAGGGTGTT CCGGCGATGT GCAAAGGTCA AATTATTGAT CCGTTGTTG AGTGCTTTGG
 2221 AGGGTGGAAT GGGGAACCTC TTCCAATATG TTAGGAAAGT GAGTGTGAAA CCGTTTGAAT
 2281 TGTAATTGTA ATATTCTGTT TTTTITTTTT TTTTITAAAT TTTATTGCA TTTAATATCT
 2341 CATCAAAGAC TTCACTTTC AAGTGTGGTG TATGTGGTGT TAAATCATAT ATATTAACCT
 2401 ATTATTTTTG CTAACAAAAA AAAAAA AAAA AAAA AA

Figure 5
Sequence I.D. No. 3

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

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[illegible]

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PAL2

MGSTEMEVD SHQNGERA EFCVKGDPLNWGMAAESLKGS HLDE
VKRMVAE FRKPVVRLGGETLT VTSQVAAIAASDNAGVKVELSET
ARAGVKASSDWVMESM NKGTDSYGVT TGFGATSHRR TKEGGA
LQKELIRFLNAGIFGNGT ESTHTLPHSATRAAMLVRINTLLQGY
SGIRFEILEAITKFLNHN VTPFLPLRG TITASGDLVPLSYIAGLLT
GRANSKAVGPTGEVLNA EKAFAEAGVEGGFFELQPK EGLALV
NGTAVGSGMASMVLFDAN V LALLSEVLSAIFA EVMQ GKPEFTD
HLTHKLKHHPGQIEAAA IMEYILDGSDYV KAAQKVHEMDPLQ
KPKQDRYALRTSPQWLGPQ IEVIRSS TKMIEREINS VNDNPLID
VSRNKALHGGNFQGTPIGV SMDNTRLAIAAIGKLMFAQFSELV
NDFYNNGLPSNLSGGRN PSLDYGFKGAEIAMASYCSELQFLAN
PVTNHVQSAEQHNQDVNSLGLISARKTAESVEILKLMSTTYLV
ALCQSIDLRHLEENLKSTV KNTVSLVAKKILTTGVNGELHPSRF
CEKDLLRVVDREYVFAYID DACSATYPLMQKLRQVIVDHALN
NENDAGTSIFQKISEFEEELKAVLPKEVEGVRSAYESSTLTIPNR
IKECRSYPLYRFVREELGTGFLTGE EVTSPGEEFDKVF TALCKG
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Figure 8
Sequence I.D. No. 2

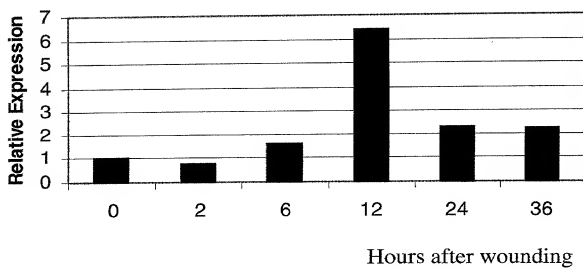
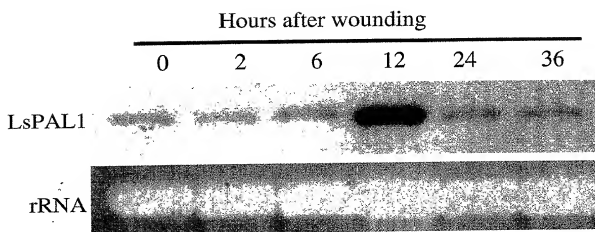


Figure 10

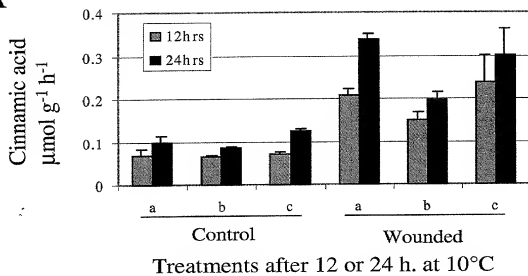
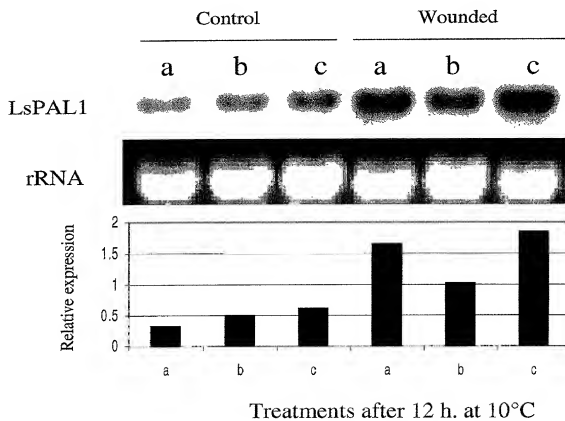
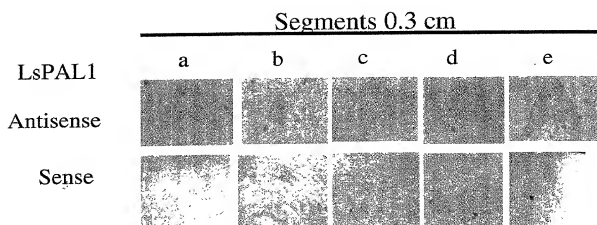
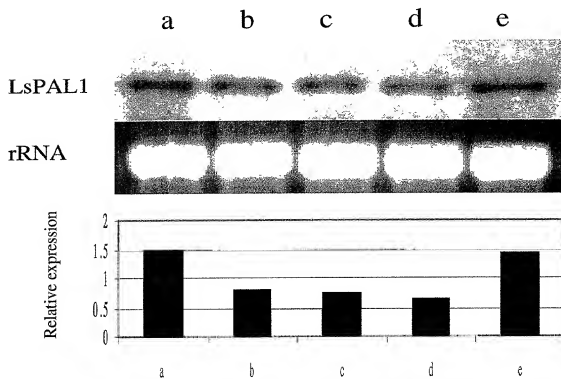
A**B**

Figure 11

A**B**

Northern from pieces in A

Figure 12